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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/731,448	
	Filing Date	December 9, 2003	
	First Named Inventor	Johnson	
	Art Unit	1625	
	Examiner Name	Aulakh, Charanjit	
Total Number of Pages in This Submission	11	Attorney Docket Number	600-12-DIV5

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gabor L. Szekeres
Signature	<i>Gabor L. Szekeres</i>
Date	May 26, 2004

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Typed or printed name	Toni Whyte		
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ATTORNEY DOCKET NO. 600 12 DIV 5

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Alan T. Johnson et al.

Serial No.: 10/731,448

Filed: December 9, 2003

For: ALKYL OR ARYL SUBSTITUTED DI-HYDRONAPHTHALENE DERIVATIVES HAVING RETINOID AND/OR RETINOID ANTAGONIST-LIKE BIOLOGICAL ACTIVITY

) Examiner: A. Charanjit

) Art Unit: 1625

**INFORMATION DISCLOSURE  
STATEMENT**

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Toni Whyte  
Toni Whyte  
May 26, 2004  
Date

Dear Sir:

Pursuant to 37 CFR Sections 1.97 and 1.98, and in fulfillment of the duty of candor set forth in 37 CFR Section 1.56, Applicant cites the following documents listed on Form 1449, submitted herewith. Copies of the following references are not enclosed in that they were submitted or cited by the Examiner in parent application, serial number 10/314,758 filed 12/09/02 which is itself a third generation divisional of earlier application 08/667,663, filed June 21, 1996.

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code² (if known)			
		US-4,096,341	6/20/78	Frazer	
		US-4,695,649	9/22/87	Magami et al	
		US-4,769,0978	04/19/88	Chandraratna	
		US-4,740,519	04/26/88	B. Shroot, et.al	
		US-4,810,804	03/07/89	Chandraratna	
		US-4,826,969	05/02/89	Maignan et al.	



	US-4,855,320	08/08/89	Chatterjee et al.	
	US-4,895,868	01/23/90	Chandraratna	
	US-4,980,369	12/25/90	Chandraratna	
	US-4,992,468	02/12/91	Chandraratna	
	US-5,006,550	04/09/91	Chandraratna	
	US-5,013,744	05/07/91	Chandraratna	
	US-5,015,658	05/14/91	Chandraratna	
	US-5,023,341	06/11/91	Chandraratna	
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	US-5,053,523	10/01/91	Chandraratna	
/	US-5,068,252	11/26/91	Chandraratna	
	US-5,089,509	02/18/92	Chandraratna	
	US-4,723,028	02/02/88	Shudo	
	US-4,326,055	04/20/82	Loeliger	

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		Number-Kind Code* (if known)			
		US-5,130,335	07/14/92	Chandraratna	
		US-5,134,159	07/28/92	Chandraratna	
		US-4,391,731	07/05/93	Boller et al	
		US-5,037,825	08/06/91	Chandraratna	
		US-5,162,546	11/10/92	Chandraratna	
		US-5,175,185	12/29/92	Chandraratna	
		US-5,183,827	02/02/93	Chandraratna	
		US-5,202,471	04/13/93	Chandraratna	
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		US-5,264,456	11/23/93	Chandraratna	
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		US-5,272,156	12/21/93	Chandraratna	
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		US-5,278,318	01/11/94	Chandraratna	
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		US-5,324,840	06/28/94	Chandraratna	
		US-5,326,898	07/05/94	Chandraratna	
		US-4,826,984	05/02/89	Berlin et al	

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		Number-Kind Code* (if known)			
		US-5,344,959	09/06/94	Chandraratna	
		US-5,346,895	09/13/94	Chandraratna	
		US-5,346,915	09/13/94	Chandraratna	
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		US-5,399,561	03/21/95	Chandraratna	
		US-5,399,586	03/21/95	Davies et al	
		US-5,407,937	04/18/95	Chandraratna	
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		Number-Kind Code² (if known)			
		US-5,475,113	12/12/95	Chandraratna	
		US-5,489,584	02/06/96	Vuligonda et al	
		US-5,498,755	03/12/96	Chandraratna et al	
		US-5,498,795	03/12/96	Song et al	
		US-5,514,825	05/07/96	Vuligonda et al	
		US-5,516,904	5/14/96	Chandraratna	
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		US-5,605,915	02/25/97	Vuligonda et al.	
		US-5,616,597	04/01/97	Chandratana	
		US-5,616,712	04/01/97	Teng et al.	
		US-5,618,836	04/08/97	Chandratana	

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		Number-Kind Code² (if known)			
		US-5,618,931	04/08/97	Beard et al.	
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		US-5,420,145	05/30/95	Shudo	
		US-5,354,776	10/11/94	Chandratana	
		US-4,539,154	09/03/85	Krebs	
		US-5,466,861	11/14/95	Dawson et al.	
		US-5,563,292	10/08/96	Sheh et al	
		US-5,648,503	07/15/97	Vuligonda et al.	
		US-4,923,884	05/08/90	Chandraratna	
		US-5,648,514	07/15/97	Johnson et al.	
		US-5,654,469	08/05/97	Vuligonda et al.	
		US-5,663,347	09/02/97	Chandraratna	
		US-5,663,357	09/02/97	Teng et al.	
		US-5,663,367	09/02/97	Vuligonda et al.	
		US-5,672,710	09/30/97	Beard et al.	
		US-5,675,024	10/07/97	Teng et al.	
		US-5,675,033	10/07/97	Vuligonda et al.	
		US-5,677,320	10/14/97	Chandraratna	
		US-5,677,323	10/14/97	Chandraratna	
		US-5,677,451	10/14/97	Chandraratna	

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Examiner Initials*	Cite No.¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code² (if known)			
		US-4,485,252	11/27/84	Fuchs et al.	
		US-4,833,240	5/23/89	Maignana et al.	
		US-5,688,957	11/18/97	Teng et al.	
		US-5,696,162	12/09/97	Chandraratna	
		US-5,698,700	12/16/97	Song et al.	



Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code* - Number* - Kind* (if known)				
		0,617,020	28/09/94			
		0,619,116	12/10/94			
		0,286,364	12/10/88			
		0,718,285	26/08/96			
		93/11755	24/06/93			
		95/04036	09/02/95			
		96/05165	22/02/96			
		93/03713	04/03/93			
		0,514,269	19/11/92			
		0,478,787	03/10/91			
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code* - Number* - Kind* (if known)				
		94/14777	07/07/94			

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
		A General Synthesis of Terminal and Internal Arylalkynes by the Palladium-Catalyzed Reaction of Alknylzinc Reagents with Aryl Halides by Anthony O. King and Ei-ichi, Negishi.	<input type="checkbox"/>	<input type="checkbox"/>
		Conversion of Methyl Ketones into Terminal Acetylenes and (E)-Tri-substituted Olefins of Terpenoid Origin by Ei-ici, et al., <u>J. Org. Chem.</u> , (1980) 45/12:p.2526.	<input type="checkbox"/>	<input type="checkbox"/>
		Sporn et al, in <u>J. Amer. Acad. Derm.</u> , (1986) 15:756-765	<input type="checkbox"/>	<input type="checkbox"/>
		"A Convenient Synthesis of Ethynylarenes and Diethynylarenes" by S. Takahashi et al. <u>Synthesis</u> (1980) p.627-630.	<input type="checkbox"/>	<input type="checkbox"/>
		Shudo et al. in <u>Chem. Phar. Bull.</u> , (1985) 33: 404-407	<input type="checkbox"/>	<input type="checkbox"/>
		Chemistry and Biology of Synthetic Retinoids by Marcia I. Dawson and William H. Okamura, published by CRC Press Inc., 1990, p.334-335,354.	<input type="checkbox"/>	<input type="checkbox"/>
		Synthesis of 2,2'-Diacyl-1,1' Biaryls, Regiocontrolled Protection of...by Mervic et al, <u>J. Org. Chem.</u> , (1980) No. 45, p.4720-4725.	<input type="checkbox"/>	<input type="checkbox"/>
		A Dopanine Receptor Model and Its Application in the Design of a New Class of Rigid Pyrrolo[2,3-g]isoquinoline Antipsychotics. Gary L. Olson et al. American Chemical Socioto, (1981) 24/9:1026-1031.	<input type="checkbox"/>	<input type="checkbox"/>
		6,2,3 Conformational Restriction, Williams, et al., <u>Drug Discovery and Development</u> , The Humana Press, (1987) pp.54-55.	<input type="checkbox"/>	<input type="checkbox"/>
		Davis et al. <u>J. Organomettalic Chem</u> (1990) 387:381-390.	<input type="checkbox"/>	<input type="checkbox"/>
		Kagechika et al, in <u>J. Med. Chem.</u> , (1988) 31:2181-2192.	<input type="checkbox"/>	<input type="checkbox"/>

		<p>"Effects of 13-Cis-Retinoic Acid, All Trans-Retinoic Acid, and Acitretin on the Proliferation, Lipid Synthesis and Keratin Expression of Cultured Human Sebocytes in Vitro" C.C. Zouboulis, <u>The Journal of Investigative Dermatology</u>, (1991) 96/5:792-797.</p> <p>"Organ Maintenance of Human Sebaceous Glands: in Vitro Effects of 13-Cis Retinoic Acid and Testosterone" John Ridden, et al., <u>Journal of Cell Science</u> (1990) 95:125-136.</p> <p>"Characterization of Human Sebaceous Cells in Vitro" Thomas I. Doran, et al, <u>The Journal of Investigative Dermatology</u>, (1991) 96/3.</p> <p>"Synthesis and Evaluation of Stilbene and Dihydrostilbene Derivateives as Potential Anticancer Agents That Inhibit Tubulin Polymerization" by Cushman, Mark et al.</p> <p><u>J. Med. Chem.</u>, (1991), 34:2579-2588.</p> <p>"Synthesis and Evaluation of New Pretocin Tyrosine Kinase Inhibitors, Part 1, Pyridine-Containing Stilbenes and Amides" by Cushman, Mark et al. <u>Bioorganic &amp; Medicinal Chemistry Letters</u>, (1991) 1/4:211-214.</p> <p>"Di- and Tri-methoxystyryl Derivatives of Heterocyclic Nitrogen Compounds" by Bahner, C.T. et al. <u>Arzneim-Forsch./ Drug Res</u>, (1981) 31 (I), Nr.3.</p> <p>"Retinobenzoic acids, 3, Structure-Activity Relationships of Retinoidal Azobenzene-4-Carboxylic Acids and Stilbene-4-Carboxylic Acids" by H. Kagechika et al., <u>Journal of Medicinal Chemistry</u>, (1989), 32:1098-1108.</p> <p>Eyrolles, L. et al "Retinoid Antagonists: Molecular Design Based on the Ligand Superfamily Concept" <u>Med. Chem. Res</u> (1992) 2: 361-367.</p> <p>Liu, S.S. et al. "Systemic Pharmacokinetics of Acetylenic Retinoids in Rats," <u>Drug Metablism and Disposition</u>, (1990) 18/6: 1071-1077.</p> <p>CHEMICAL ABSTRACTS, vol. 122, no. 13, 27 March 1995 abstract no. 151372m, (S.KAKU et al.)</p> <p>CHEMICAL ABSTRACTS, vol. 117, no.13, 28 September 1992 abstract no. 124091 j, (S.SUN et al.)</p> <p>EUROPEAN JOURNAL OF BIOCHEMISTRY, vol.212, no. 1, 1993, BERLIN, pages 13-26, XP000618300 (S. KEIDEL et al.)</p> <p>JOURNAL OF MEDICAL CHEMISTRY, vol. 39, no. 16, 2 August 1996, pages 3035-3038, MIN TENG ET AL.</p> <p>JOURNAL OF MEDICAL CHEMISTRY, vol. 37, no. 10, 13 May 1994, pages 1508-1517, LAURENCE EYROLLES</p> <p>BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMUNICATIONS, vol.155 no. 1, 1988, pages 503-508.</p> <p>CHEMICAL ABSTRACTS, vol. 121, no.9, 1994.</p>
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		DATABASE WPI, Section CH, Week 9416, Derwent Publications Ltd. London, GB; Class B05, AN 94-128759 and J{ 6078266A, see English language abstract in DERWENT.	<input type="checkbox"/>
		JOURNAL OF MEDICINAL CHEMISTRY, VOL. 38, NO. 16, 4 August, 1995, pages 3163-73.	<input type="checkbox"/>
		Weiner, et al., "A phase I trial of topically applied trans-retinoic acid in cervical dysplasia-clinical efficacy," <u>Investigational New Drugs</u> , 4:241-244, 1996.	<input type="checkbox"/>
		Jones, et al., "A dose-response study of 13-cis-retinoic acid in acne vulgaris," <u>British Journal of Dermatology</u> , (1983) 108, 333-343.	<input type="checkbox"/>
		Fekrat, et al., "The Effect of Oral 13-cis-retinoic Acid on Retinal Redetachment after Surgical Repair in Eyes with Prolifertive Vitreoretinopathy," <u>Ophthalmology</u> , vol. 102, No. 3 (March 1995), pp.412-418.	<input type="checkbox"/>
		Nagpal, et al., "Separation of Transactivation and AP1 Antagonism Functions of Retinoic Acid Receptor $\alpha$ ," <u>The Journal of Biological Chemistry</u> , 270/2(1995): 923-927.	<input type="checkbox"/>
		Allegretto, et al., "Transactivation Properties of Retinoic Acid and Retinoid X Receptors in Mammalian Cells and Yeast," <u>The Journal of Biological Chemistry</u> , Vol. 268, No.35 (Dec. 15, 1993), pp. 26625-26633.	<input type="checkbox"/>
		Gruapner, et al., "6'-Substituted Naphthalene-2-Carboxylic Acid Analogs, A New Class or Retinoic Acid Receptor Subtype-Specific Ligands," <u>Biochemical and Biophysical Communications</u> , Vol. 179, No. 3 (Sept. 30, 1991), pp.1554-1561.	<input type="checkbox"/>
		Moore et al., "Retinoic Acid and Interferon in Human Cancer: Mechanistic and Clinical Studies," <u>Seminars in Hermatology</u> , 31/4, Suppl 5 (Oct. 1994), pp.31-37.	<input type="checkbox"/>

### REMARKS

Submission of the foregoing document is no representation that a search was made, or if made, that it was comprehensive, or that no other documents exist which may be material to the above-identified application. Moreover, the Applicant does not concede that the foregoing document is necessarily prior art to the invention.

Date: May 26, 2004

By: Gabor L. Szekeres  
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PTO/SB/O8A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10731,448
Filing Date	12/09/03
First Named Inventor	Johnson, et al
Art Unit	1625
Examiner Name	Aulakh, Charanjit
Attorney Docket Number	600 120DIV 5

**U.S. PATENT DOCUMENTS**

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		US-4,769,0978	04/19/88	Chandraratna	
		US-4,740,519	04/26/88	B. Shroot, et.al	
		US-4,810,804	03/07/89	Chandraratna	
		US-4,826,969	05/02/89	Maignan et al.	
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		US-5,013,744	05/07/91	Chandraratna	
		US-5,015,658	05/14/91	Chandraratna	
		US-5,023,341	06/11/91	Chandraratna	
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/		US-5,068,252	11/26/91	Chandraratna	
		US-5,089,509	02/18/92	Chandraratna	
		US-4,723,028	02/02/88	Shudo	
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**FOREIGN PATENT DOCUMENTS**

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		0,130,795	01/19/85			
		1,760,34A	04/02/89			
		3,708,060	09/24/87			
		0,284,288	09/28/88			
		0,350,846	07/10/89			
		0,272,921	06/29/88			
		91/16051	10/31/91			
		85/00806	02/28/85			
		85/04652	10/24/85			
		0,098,591	01/18/84			

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				Applicant Number	10/731,448
				Filing Date	12/09/03
				First Named Inventor	Johnson, et al
				Group Art Unit	1625
				Examiner Name	Aulakh, Charanjit
Sheet	2	of	10	Attorney Docket Number	600 120DIV 5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		A General Synthesis of Terminal and Internal Arylalkynes by the Palladium-Catalyzed Reaction of Alkynylzinc Reagents with Aryl Halides by Anthony O. King and Ei-ichi, Negishi.	<input type="checkbox"/>
		Conversion of Methyl Ketones into Terminal Acetylenes and (E)-Tri-substituted Olefins of Terpenoid Origin by Ei-ichi, et al., <u>J. Org. Chem.</u> , (1980) 45/12:p.2526.	<input type="checkbox"/>
		Sporn et al, in <u>J. Amer. Acad. Derm.</u> , (1986) 15:756-765	<input type="checkbox"/>
		"A Convenient Synthesis of Ethynylarenes and Diethynylarenes" by S. Takahashi et al. <u>Synthesis</u> (1980) p.627-630.	<input type="checkbox"/>
		Shudo et al. in <u>Chem. Phar. Bull.</u> , (1985) 33: 404-407	<input type="checkbox"/>
		Chemistry and Biology of Synthetic Retinoids by Marcia I. Dawson and William H. Okamura, published by CRC Press Inc., 1990, p.334-335,354.	<input type="checkbox"/>
		Synthesis of 2,2'-Diacyl-1,1' Biaryls, Regiocontrolled Protection of...by Mervic et al, <u>J. Org. Chem.</u> , (1980) No. 45, p.4720-4725.	<input type="checkbox"/>
		A Dopamine Receptor Model and Its Application in the Design of a New Class of Rigid Pyrrolo[2,3-g]isoquinoline Antipsychotics. Gary L. Olson et al. American Chemical Socioto, (1981) 24/9:1026-1031.	<input type="checkbox"/>
		6,2,3 Conformational Restriction, Williams, et al., <u>Drug Discovery and Development</u> , The Humana Press, (1987) pp.54-55.	<input type="checkbox"/>
		Davis et al. <u>J. Organometallic Chem</u> (1990) 387:381-390.	<input type="checkbox"/>

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		Examiner Name	Aulakh, Charanjit		
Sheet	3	of	10	Attorney Docket Number	600 120DIV 5

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,130,335	07/14/92	Chandraratna	
		US-5,134,159	07/28/92	Chandraratna	
		US-4,391,731	07/05/93	Boller et al	
		US-5,037,825	08/06/91	Chandraratna	
		US-5,162,546	11/10/92	Chandraratna	
		US-5,175,185	12/29/92	Chandraratna	
		US-5,183,827	02/02/93	Chandraratna	
		US-5,202,471	04/13/93	Chandraratna	
		US-5,231,113	07/27/93	Chandraratna	
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		US-5,264,456	11/23/93	Chandraratna	
		US-5,264,578	11/23/93	Chandraratna	
		US-5,248,777	09/28/93	Chandraratna	
		US-5,272,156	12/21/93	Chandraratna	
		US-4,927,947	05/22/90	Chandraratna	
		US-5,278,318	01/11/94	Chandraratna	
		US-5,324,744	06/28/94	Chandraratna	
		US-5,324,840	06/28/94	Chandraratna	
		US-5,326,898	07/05/94	Chandraratna	
		US-4,826,984	05/02/89	Berlin et al	

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		0,176,032	04/02/86			
		0,176,033	04/02/86			
		0,253,302	01/20/88			
		0,303,915	02/22/89			
		0,315,071	05/19/89			
		2,190,378	11/18/87			
		3,316,932	11/17/83			
		3,524,199	01/16/86			
		3,715,955	11/26/87			
		92/06948	04/30/92			

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				Examiner Name	Aulakh, Charanjit
Sheet	4	of	10	Attorney Docket Number	600 120DIV 5

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		Kagechika et al, in <u>J. Med. Chem.</u> , (1988) 31:2181-2192.	<input type="checkbox"/>
		"Effects of 13-Cis-Retinoic Acid, All Trans-Retinoic Acid, and Acitretin on the Proliferation, Lipid Synthesis and Keratin Expression of Cultured Human Sebocytes in Vitro" C.C. Zouboulis, <u>The Journal of Investigative Dermatology</u> , (1991) 96/5:792-797.	<input type="checkbox"/>
		"Organ Maintenance of Human Sebaceous Glands: in Vitro Effects of 13-Cis Retinoic Acid and Testosterone" John Ridden, et al., <u>Journal of Cell Science</u> (1990) 95:125-136.	<input type="checkbox"/>
		"Characterization of Human Sebaceous Cells in Vitro" Thomas I. Doran, et al, <u>The Journal of Investigative Dermatology</u> , (1991) 96/3.	<input type="checkbox"/>
		"Synthesis and Evaluation of Stilbene and Dihydrostilbene Derivateives as Potential Anticancer Agents That Inhibit Tubulin Polymerization" by Cushman, Mark et al.	<input type="checkbox"/>
		<u>J. Med. Chem.</u> , (1991), 34:2579-2588.	<input type="checkbox"/>
		"Synthesis and Evaluation of New Pretocin Tyrosine Kinase Inhibitors, Part 1, Pyridine-Containing Stilbenes and Amides" by Cushman, Mark et al. <u>Bioorganic &amp; Medicinal Chemistry Letters</u> , (1991) 1/4:211-214.	<input type="checkbox"/>
		"Di- and Tri-methoxystyryl Derivatives of Heterocyclic Nitrogen Compounds" by Bahner, C.T. et al. <u>Arzneim-Forsch./ Drug Res.</u> (1981) 31 (I), Nr.3.	<input type="checkbox"/>
		"Retinobenzoic acids, 3, Structure-Activity Relationships of Retinoidal Azobenzene-4-Carboxylic Acids and Stilbene-4-Carboxylic Acids" by H. Kagechika et al., <u>Journal of Medicinal Chemistry</u> , (1989), 32:1098-1108.	<input type="checkbox"/>
		Eyrolles, L. et al "Retinoid Antagonists: Molecular Design Based on the Ligand Superfamily Concept" <u>Med. Chem. Res</u> (1992) 2: 361-367.	<input type="checkbox"/>

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			Examiner Name	Aulakh, Charanjit	
Sheet	5	of	10	Attorney Docket Number	600 120DIV 5

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		US-5,344,959	09/06/94	Chandraratna	
		US-5,346,895	09/13/94	Chandraratna	
		US-5,346,915	09/13/94	Chandraratna	
		US-5,348,972	09/20/94	Chandraratna	
		US-5,348,975	09/20/94	Chandraratna	
		US-5,349,105	09/20/94	Chandraratna	
		US-5,354,752	10/11/94	Chandraratna	
		US-5,380,877	01/10/95	Chandraratna	
		US-5,391,753	02/21/95	Chandraratna	
		US-5,399,561	03/21/95	Chandraratna	
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		US-5,407,937	04/18/95	Chandraratna	
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		US-5,426,118	06/20/95	Chandraratna	
		US 5,434,173-	07/18/95	Chandraratna	
		US-5,451,605	09/19/95	Chandraratna et al	
		US-5,455,265	10/03/95	Chandraratna	
		US-5,468,879	11/21/95	Chandraratna	
		US-5,470,999	11/28/95	Chandraratna	
		US-5,475,022	12/12/95	Chandraratna	

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		1,70,05A				
		3,602,473	07/30/87			
		0,661,259	05/07/95			
		93/21146	10/28/93			
		0,284,261	09/28/88			
		0,303,186	02/15/88			
		0,412,387	02/13/91			
		0,617,020	09/28/94			
		0,661,258	07/05/95			
		0,661,261	07/05/95			

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		Liu, S.S. et al. "Systemic Pharmacokinetics of Acetylenic Retinoids in Rats," <u>Drug Metabolism and Disposition</u> , (1990) 18/6: 1071-1077.	<input type="checkbox"/>
		CHEMICAL ABSTRACTS, vol. 122, no. 13, 27 March 1995 abstract no. 151372m, (S.KAKU et al.)	<input type="checkbox"/>
		CHEMICAL ABSTRACTS, vol. 117, no.13,28 September 1992 abstract no. 124091 j, (S.SUN et al.)	<input type="checkbox"/>
		EUROPEAN JOURNAL OF BIOCHEMISTRY, vol.212, no. 1, 1993, BERLIN, pages 13-26, XP000618300 (S. KEIDEL et al.)	<input type="checkbox"/>
		JOURNAL OF MEDICAL CHEMISTRY, vol. 39, no. 16,2 August 1996, pages 3035-3038, MIN TENG ET AL.	<input type="checkbox"/>
		JOURNAL OF MEDICAL CHEMISTRY, vol. 37, no. 10,13 May 1994, pages 1508-1517, LAURENCE EYROLLES	<input type="checkbox"/>
		BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.155 no. 1, 1988, pages 503-508.	<input type="checkbox"/>
		CHEMICAL ABSTRACTS, vol. 121, no.9, 1994.	<input type="checkbox"/>
		DATABASE WPI, Section CH, Week 9416, Derwent Publications Ltd. London, GB; Class B05, AN 94-128759 and J{ 6078266A, see English language abstract in DERWENT.	<input type="checkbox"/>
		JOURNAL OF MEDICINAL CHEMISTRY, VOL. 38, NO. 16, 4 August, 1995, pages 3163-73.	<input type="checkbox"/>

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		US-5,489,584	02/06/96	Vuligonda et al	
		US-5,498,755	03/12/96	Chandraratna et al	
		US-5,498,795	03/12/96	Song et al	
		US-5,514,825	05/07/96	Vuligonda et al	
		US-5,516,904	5/14/96	Chandraratna	
		US-5,534,516	07/09/96	Chandraratna	
		US-5,534,641	07/09/96	Song et al	
		US-5,546,534	08/06/96	Vuligonda et al	
		US-5,556,996	09/17/96	Beard et al	
		US-5,591,858	01/07/97	Vuligonda et al	
		US-5,523,457	06/04/96	Starrett, Jr. et al	
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		US-5,599,967	02/04/97	Vuligonda et al	
		US-5,602,130	02/11/97	Chandraratna	
		US-5,602,135	02/11/97	Chandraratna	
		US-5,605,915	02/25/97	Vuligonda et al.	
		US-5,616,597	04/01/97	Chandratana	
		US-5,616,712	04/01/97	Teng et al.	
		US-5,618,836	04/08/97	Chandratana	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind <sup>5</sup> (if known)				
		0,617,020	28/09/94			
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		93/11755	24/06/93			
		95/04036	09/02/95			
		96/05165	22/02/96			
		93/03713	04/03/93			
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				Application Number	10/731,448
				Filing Date	12/09/03
				First Named Inventor	Johnson, et al
				Art Unit	1625
				Examiner Name	Aulakh, Charanjit
				Attorney Docket Number	600 120DIV 5
Sheet	9	of	10		

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,618,931	04/08/97	Beard et al.	
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		US-5,677,451	10/14/97	Chandraratna	

[illegible]

<b>Examiner Signature</b>		<b>Date Considered</b>	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>2</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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